
Product Specification

Product Name: PALCAM Agar Base

Product Code: SG7280 / SG7281

PRODUCT DESCRIPTION:

PALCAM Agar Base is used as a selective and differential medium for the detection of *Listeria* spp., particularly *Listeria monocytogenes*. This product is available in both dehydrated and granulated form.

Use:

Stir to suspend 73.9 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute then autoclave it at 121 °C for 15min. Allow to cool (40– 45°C). Add one vial of PALCAM Selective Additives (SG7282) or one vial each of 0.5 mg Acriflavine (SG7283), 1 mg Polymyxin B (SG7284) and Ceftazidime (SG7285) to every 100 mL of the medium. Dispense into petri dishes. For laboratory use only.

Components:

Yeast Extract Powder - 8.0 g/L

Glucose - 0.5 g/L

Esculin - 0.8 g/L

Ferric Ammonium Citrate - 0.5 g/L

Mannitol - 10.0 g/L

Phenol Red - 0.1 g/L

Lithium Chloride - 15.0 g/L

Pancreatic Digest of Casein - 10.0 g/L

Pancreatic Digest of Heart - 3.0 g/L

Corn Starch - 1.0 g/L

Peptic Digest of Meat - 5.0 g/L

Sodium Chloride - 5.0 g/L

Agar - 15.0 g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Light Brown Powder / Granules
pH (@25°C):	7.2 ± 0.2
<u>Microbiological Tests</u>	
<i>Listeria monocytogenes</i> (ATCC 19115)	<u>Quality Control Results</u> PR ≥ 0.5, grayish-green colonies, black in the center, surrounded by black markings
<i>Escherichia coli</i> (ATCC 25922)	G ≤ 1
<i>Enterococcus faecalis</i> (ATCC 29212)	G ≤ 1

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36 ± 1°C and observed after 48 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.